

**All Questions have 4 options
Option1 ,2,3 & Option4
And Answer Module Level**

Q1What are the different types of parallelism in Ab Initio?

"Process parallelism, Data parallelism, Component parallelism"

"Phase parallelism, Component parallelism, Pipeline parallelism"

"Component parallelism, Data parallelism, Pipeline parallelism"

None of the above

Option 3 GDE 1

Q2What is component parallelism?

A graph with multiple processes running simultaneously on separate data uses component parallelism.

A graph that deals with data

**divided into segments and
operates on each segment
simultaneously uses component
parallelism**

**A graph with multiple phases
running simultaneously on
separate data uses component
parallelism.**

**A graph with multiple components
running simultaneously on the
same data**

Option 1 GDE 1

Q3 What are the Dedup criteria?

**Unique only First Last All of the
above Option 4 GDE 1**

**Q4 Replicate component supports
which type of Parallelism?**

Data Parallelism

Component Parallelism

Pipeline Parallelism

All of the above

Option 2 GDE 1

Q5" A configuration file contains the following information:

"The name and version number of the database to which you want to connect."

"The name of the computer on which the database instance or server to which you want to connect runs, or on which the database remote access software is installed." "The name of the database instance, server, or provider to which you want to connect."

"You generate a configuration file by using the Properties dialog box for one of the Database components."

" "Options 1,2,3,4" GDE 1

Q6 What is the notation to specify the URL of a layout.

**hostname/path/
protocol://hostname/path
path**

None of the above

2 GDE 1

**Which of the following components
need a sorted input?**

merge

interleave

gather

All of the above

1

why is a gather component used

To reduce data parallelism

To reduce component parallelism

both of the above

None of the above

3 GDE 1

**What is the maximum number of
input ports a join components can
have?**

only one

2

4

20

4

GDE 1

For which join type the record-required parameter is used inner join

outer join

explicit join

All of the above

3 GDE 1

What does the max-core parameter refer to

The maximum memory the component can use

The maximum CPU utilization the component can use The maximum time limit the component can use

The maximum number of rejects the component can allow

1 GDE 1

What does layout of a component mean?

The place where the component works

The depth of parallelism Number of partitions All of the above 4

GDE 1

How is reject-threshold calculated using limit and ramp
 $\text{ramp} * \text{limit} + \text{number of records processed so far}$
 $\text{ramp} + (\text{limit} * \text{number of records processed so far})$
 $\text{limit} + (\text{ramp} * \text{number of records processed so far})$
 $\text{limit/ramp} + \text{number of records processed so far}$
3 GDE 1

Which component produces intermediate summary records while aggregating

Roll up

Scan

Aggregate

All of the above

2 GDE 1

Using which component can we specify the rate of data movement from input to output

Throttle

Fuse Scan

Sample

1 GDE 1

Which component among the following is the most efficient

Concatenate

interleave

Gather

Merge

3 GDE 1

Which component saves the status information among the following components

Phases

Check points

Phase breaks

Commit 2 GDE 1

When complex joining expressions are required which component among these is preferred

look up

Join Merge

Gather

1 GDE 1

Which component gives sorted output

merge

sort

rollup

All of the above

4 GDE 1

Which of the following component will you use to parse

Programmatically

run program

readraw

reformat

run sql

2

Which of the following has got a deselect port

FilterJoin

sort

reformat 1

What does a redefine component do?

It changes the value of the data records according to expression

It renames the fields in record format and changes its value according to expression
It renames the fields in the record format without changing its value

It copies the data records from its input to output record format and changes its values according to key expression.

3

which one of the following is a miscellaneous component

broadcast

merge

trash

denormalize

3 1

**What is the maximum value
allowed for max-core**

231-1

221-1

211-1

no limit

1

**Which parameter specifies the
components tolerance for reject
events.**

reject port

reject-threshold parameter

max-core parameter

log-reject parameter

2

**In which way conflicts arise during
check in?**

**The Graph In Sandbox Not Latest
The Graph Check In Happens
In Different Project
Both The Above Conflicts Doesn't
Arise**

3

**What a find splitter component
does**

**Splits The Data In To Ranges
Splits A Flow In To Different Flows
Both The Above
None Of The Above**

1

**How can an explicit join perform
inner join?**

**Record Required Parameter For
Both Ports Are Set To False
Record Required Parameter For Both Ports
Are Set To True
Record Required Parameter For Port 0 Is True And
For Port 1 Is False
Record Required Parameter For Port 0 Is False And**

For Port 1 Is True 2

What is the use of merge component?

Joins Different Flows

Sorts Data

Join's Different Flows By Sorting

None Of The Above

3

Explainmaxcoreparameter?

Amount Of Main Memory Allocated To An Component

Amount Of Main Memory Allocated To An Instruction

Amount Of Main Memory Allocated To Store And Manipulate Data

Temporarily Amount Of Main

Memory Allocated To Store And Manipulate Data Permanently

3

Which of the following is incorrect

Gzip reduces the volume of data in

flow Compress reduces the volume

of data in flow in UNIX platform

Gunzip reduces the volume of data in flow

Gunzip reverses the effect of compress.

3

Which component is more powerful and easier to use than the aggregate component

Rollup

Join

Sort within groups

None of the above

Option 1 GDE 1

What component will you use to undo the effect of Partition by Round Robin ?

Partition by Expression

Partition by key and Sort

Interleave Partition by Range

Option 3 GDE 2

Component that is used to reduce the volume of data flow due to narrow band width or lack of enough disk space to store data

Compress

"Compress,Gzip"

"Compress,Gzip,Gunzip"

None of the above

Option 2 GDE 1

What all components require sorted input?

Rollup

Join

Dedup

Sorted

All of the above

Option 4 GDE 1

The component stops the execution of the graph if the number of reject events exceeds the result of the formula:

**limit +
(ramp*number_of_records_processed_so_far) limit * (ramp
+number_of_records_processed_so_far) limit+ramp limit*ramp**

Option 1 GDE 2

For which component connecting the ports is not mandatory Run SQL Intermediate file Output file

Broadcast Option 1 GDE 1

Which is the generally used De Partitioning component?

Concatenate

Gather

Merge

All of the above

Option 4 GDE 1

What does a watcher do?

Eliminating To Do Cues

Turn on the debugging mode

Displays flow patterns

Edit Key specifiers

Option 2 GDE 1

What does a throttle component do?

copies records from its input to its output at a rate that you can specify

ends a flow by accepting all the data records in it and discards them

generates a series of cumulative summary records

None of the above

Option 1 GDE 1

Denormalize sorted requires

grouped input consolidates

groups of related data records into a single output record

generates a vector field for each group and optionally computes the summary field in the output record

All of the above

Option 4 GDE 2

What is a summary file?

"A file containing information about flows, components, phases during the most recent run.

" A file containing the summary of the graph run All of these none of these option1 GDE 1

What is max core parameter

maximum number of core components

maximum memory usage in terms of bytes

maximum no of records that can be passed through first and second option2 GDE 1

"The component sorts records according to a key specifier, and then finds the ranges of key values that divide the total number of input records into number of partitions."

Checkpointed sort

Find splitters

Sample

none of these

option2 GDE 1

What is true about a multifile?

it's a file which is divided into so many partitions and stored in the same disk

a multifile contains one multifile and 2 data partitions

a multifile contains one multifile and one or many data partitions

roundrobin partitioning is not used to partition data in multifile

option3 GDE 1

What does a Broadcast component do?

It arbitrarily combines all the data records it receives into a single flow and writes a copy of that flow to each of its output flow partitions.

It appends multiple flow partitions of data records one after the other. It echoes the final status of the graph run

none of these

option1 GDE 1

What are the different types of parallelism in Ab Initio?

"Process parallelism, Data parallelism, Component parallelism"

"Phase parallelism, Component parallelism, Pipeline parallelism"

"Component parallelism, Data parallelism, Pipeline parallelism"

None of the above

Option 3 GDE 1

What do u call the file which can treat several serial files having the same record format as a single graph component

Summary File

Event Log File
Adhoc Multifile
Custom File
option3 GDE 1

what is the control partition

It is partition where the same data is run simultaneously in different components location of multifile's datapartition

A partition which divides the control informations
none of these

option2 GDE 1

Component used to create surrogate keys?

Assign Key Component

Fuse

Run Program

Sample

option1 GDE 1

Function of Throttle component?

Reads the records from its

inputs and compares the records one by one

**Combines all the records from input in the append fashion
it can copy record from input to output at the rate specified**

None of these

option3 GDE 1

What is component parallelism?

A graph with multiple processes running simultaneously on separate data uses component parallelism.

A graph that deals with data divided into segments and operates on each segment simultaneously uses component parallelism

A graph with multiple phases running simultaneously on separate data uses component parallelism.

A graph with multiple components running simultaneously on the same data

Option 1 GDE 1

What are the Dedup criteria?

Unique only

First

Last

All of the above

Option 4 GDE 1

Replicate component supports which type of Parallelism?

Data Parallelism

Component Parallelism

Pipeline Parallelism

All of the above

Option 2 GDE 1

"A configuration file contains the following information:

" "The name and version number of the database to which you want to connect.

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" "Options 1,2,3,4" GDE 1

If there are 100 records and only 10 percent rejection can be pemitted the what is the value of limit and ramb?

"limit=100;ramb=10

" limit=0;ramb=0.1

limit=0;ramb=10

limit=0;ramb=0option2 GDE 1

Where is the finalize transform function used?

Dedup sorted

Denormalize Sorted

Rollup

Scan

option2 GDE 1

The main programs required for abinitio software?

only GDE

OS and GDE

Co operating System and GDE

None of these

option2 GDE 1

Which partition balances the workload between CPU's

partiiton by round robin

partition by percentage

partition by load balance

none of these

option3 GDE 1

What does a package consists of

It has all the shell scripts

"it has all the transform

functions,types ,global variables"

it has the combination of all the components None of the above

option1 GDE 1

The parameter used to specify the path containing sas executables

AB_SASHOME

AB_SAS_CONTROL_FILE

AB_SAS_AUTOEXEC None of the above option1 GDE 1

All packages has the extension

.xfr

.pkg

.mpc

.mdc

option 1 GDE 1

What is false about api mode??

"ablocal_expr parameter is available only when dbms_interface is set to api.

" The expression is evaluated once per partition cannot be used for fanout specific components

first and third option3 GDE 1
The component which does not have any ports

look up

Run SQL

Scan

Fuse

Option 1 GDE 1

How to change a Graph so that CPU consumption is less

Use partitions

If transformation has many local variables make it global Reduce the Degree of parallelism

3rd and 4rth

option4 Use partiions1

"If Ab-initio is installed in a unix environment, then the .mp files are converted internally to "

.ksh file

.xfr file

.dml file

.sh

1 GDE 1

which of the following components does not require a sorted input

match sorted

join

merge

dedup sorted

2 GDE 1

which is the default name of a component parameter when it is exported

parameter name.component name

component name_parameter name

parameter name_component name

component name.parameter name

2 GDE 1

performed group by joins both A and B none 1 GDE 1

when using a macro which of the following relating to that macro which type of sql statement activity should be most avoided when parallel unload from table is become runtime parameters

components flows parameters

all the above 4 GDE 1

which of the following components has an ordered input port.

concatenate gather partition by key Reformat 1 GDE 1

The usage of which

component/components is recommended when the incoming data records is unsorted and needs be joined with a small set of records. sort and join(input needs to be sorted or grouped)

"join(in memory,inputs need not be sorted or grouped) " lookup file with reformat sort and match sorted 3 GDE 1

The value of the AB_MAX_CORE parameter should be set based on memory usage per partition memory usage over all

partitions disk space usage for each partition disk space usage over all partitions 2 GDE 1

deadlocks occur because of no automatic flow buffering

partitioning and departitioning occur in the same phase both A and B none 3 GDE 1

which of the following components requires a sorted input rollup

**join concatenate merge 4
GDE 1**

"string_concat('string',NULL) in the expression editor will result in

**" string NULLcompile time error
run time error 3 GDE 1**

**which of these components has the
number of partition as a required
parameter partition by range
recirculateassign keys
normalize 3 GDE 1**

**which of the following can be a
state of a file in the sandbox in
relation to its datastore unresolved
state current all the above 4
GDE 1**

**A file in your sandbox is in the
conflict state and the conflict has
been deferred(state-unresolved
modified) .Now the file version in
the data store has changed again
because someone else has checked
in.The state of your file is
unresolved (conflict).Now when
you check out the graph keeping
the datastore files which of the**

**following states does your file
belong to. conflict unresolved**

stale current 3 GDE 1

**A graph has been checked out from
the data store by userA and
userB. Now if the graph has been
locked by userA. Is it possible for
userB to edit it. TRUEFALSE**

1 GDE 1

**In which type of predefined
sequence specifier are punctuation
characters ignored index**

phonebook machine none 2

GDE 1

**for which of the following does dml
allow four bytes for storage**

"packed decimal(8,3,unsigned)"

**packed decimal(5)"packed
decimal(4,stripped)" "packed
decimal(6,unsigned)" 1 GDE 1**

"delimiter ""\001"" refers to"

space delimiter NUL delimiter

**double space delimiter NULL
delimiter 2 GDE 1**

**what does varstring in the drop-
down menu in the GDE's Record
Format Editor refer to variable
length string fixed length string**

**length prefixed string none of
the above 3 GDE 1**

**Usage of which lookup function is
recommended when one wants to
check up whether a given key
value exists in a serial lookup file**

lookup lookup_count

lookup_count_local

lookup_match 4 GDE 1

**which keyword should be used in
order to make a custom type
sequence specifier treat a group of
characters as equivalent to each
other foldcase ignore fold**

ignorecase 3 GDE 1

Subgraph is used when a single

**executable has to be created
number of components and their
arrangement are constant from
one run of the graph to other**

**"components,number of
components and their arrangement
differ from one run of the graph to
other" none 2 GDE 1**

**Q which of
thefollowingcomponents does not
have an ordered output port.**

partition by key

concatenate

interleave

partition by Round Robin

1 GDE 1